GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. Sem-IV Examination June- 2010

Subject code: 140402 Subject Name: Basic Taxonomy & Techniques

Date:	18	/ 06 / 2010 Time: 10.30 am – 01.00 pm Total Marks: 70	
Instructions:			
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	ş	07 07
Q.2	(a)	Describe the role of morphological and anatomical characterization of organisms in taxonomy.	07
	(b)	•	07
	(b)	Discuss the techniques of genetical and molecular characterization of organisms.	07
Q.3	(a) (b)	•	07 07
Q.3	(a) (b)	Enlist important plant families and describe any one in detail.	07 07
Q.4	(a) (b)	·	07 07
Q.4	(a) (b)	Write a note on early attempts of animal classification.	07 07
Q.5	(a)	Explain the importance of 16S rRNA analysis in the construction of phylogenic tree.	07
	(b)	Scientific nomenclature of bacteria with examples. OR	07
Q.5	(a) (b)	· · · · · · · · · · · · · · · · · · ·	07 07
